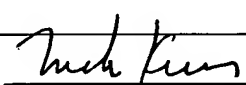


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| FORM PTO-1390)<br>(REV. 10-2003)   |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br>983.46144X00  |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |  |   | U.S. APPLICATION NO. 411,111,111 sec 37 CFR 1.53<br>Not Yet Assigned <b>10/579208</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2003/014540   | INTERNATIONAL FILING DATE<br>November 14, 2003 | PRIORITY DATE CLAIMED                                   |   |
| TITLE OF INVENTION<br>Thrombus Detecting Apparatus, Thrombus Treating Apparatus and Method Therefor  |  |   |   |
| APPLICANT(S) FOR DO/EO/US<br>Kazunari ISHIDA, Naoto FUJITA, Jun KUBOTA, Mikihiro KAGA  |  |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |   |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office(RO/US)</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Figs.: 1-10; Request for Examination and Search; Credit Card Payment Form; PCT Attachment</p> |  |   |   |

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|--|---|--|---|---|---------------------|
| U.S. APPLICATION NO. <b>10/379208</b><br>Not Yet Assumed   |   | INTERNATIONAL APPLICATION NO.<br><b>PCT/JP2003/014540</b>                        |   | ATTORNEY'S DOCKET NUMBER<br><b>983.46144X00</b> |                     |
| The following fees have been submitted:  |   |  |   | <b>CALCULATIONS</b>                             | <b>PTO USE ONLY</b> |
| 21. <input checked="" type="checkbox"/>  | Basic national fee  | \$300  | \$300.00  |   |                     |
| 22. <input checked="" type="checkbox"/>  | Examination fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provision of PCT Article 33(1)-(4)<br>All other situations  | \$100<br>\$200   | \$200.00  |   |                     |
| 23. <input checked="" type="checkbox"/>  | Search fee<br>Search fee (37 CFR 1.445(a)(2) has paid on the international application to the USPTO as an International Searching Authority<br>International Search Report prepared and provided to the Office<br>All other situations            | \$100<br>\$400<br>\$500  | \$500.00  |   |                     |
| <b>TOTAL OF 21, 22 and 23 =</b>  |   |  | <b>\$1000.00</b>  |   |                     |
| <input type="checkbox"/>   | Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |  | \$0.00  |   |                     |
| Total Sheets   | Extra Sheets  | Number of each additional 50 or fraction thereof<br>(round up to a whole number) | Rate  |   |                     |
| - 100 =  | /50 =   |  | X \$250.00  |   |                     |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |   |  | \$0.00  |   |                     |
| CLAIMS   | NUMBER FILED  | NUMBER EXTRA   | RATE  |   |                     |
| Total Claims   | 15 - 20 =   | 0  | x \$50.00   | \$0.00  |                     |
| Independent Claims   | 2 - 3 =   | 0  | x \$200.00  | \$0.00  |                     |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   |   |  | + \$360.00  | \$360.00  |                     |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |   |  | <b>\$1360.00</b>  |   |                     |
| <input type="checkbox"/>   | Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |  | \$0.00  |   |                     |
| <b>SUBTOTAL =</b>  |   |  | <b>\$1360.00</b>  |   |                     |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |   |  | \$0.00  |   |                     |
| <b>TOTAL NATIONAL FEE =</b>  |   |  | <b>\$1360.00</b>  |   |                     |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |   |  | \$0.00  |   |                     |
| <b>TOTAL FEES ENCLOSED =</b>   |   |  | <b>\$1360.00</b>  |   |                     |
|  |   |  | <b>Amount to be refunded:</b>   | \$  |                     |
|  |   |  | <b>Amount to charged:</b>   | \$  |                     |
| <p>a. <input type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 01-2135 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> |   |  |   |   |                     |
| SEND ALL CORRESPONDENCE TO:<br>CUSTOMER NO. 020457<br>ANTONELLI, TERRY, STOUT & KRAUS, LLP<br>1300 North 17th Street, Suite 1800<br>Arlington, VA 22209  |   |  | <div style="text-align: right;"> <br/>       Signature<br/>       Melvin Kraus<br/>       Name<br/>       22,466<br/>       Registration No.     </div> |   |                     |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IA9 Rec'd PCT/PTO 12 MAY 2006

Applicants: ISHIDA, et al.

Serial No.: Not Yet Assigned

Filed: May 12, 2006

Title: Thrombus Detecting Apparatus, Thrombus Treating Apparatus and  
Method Therefor

**REQUEST FOR EXAMINATION AND SEARCH**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 12, 2006


Sir:

Applicants respectfully request that a search and examination be conducted in the above-identified application. The necessary search fee and examination fee are enclosed herewith.

Please charge any shortage in the fees due in connection with the filing of this paper, including excess claim fees, to Deposit Account No. 01-2135 (983.46144X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



Melvin Kraus  
Registration No. 22,466

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Fax: (703) 312-6666

10/579208

AP9 Rec'd PCT/PTO 12 MAY 2006

ATTACHMENT

| International Application No. | International Filing Date | Attorney Docket No. |
|-------------------------------|---------------------------|---------------------|
| PCT/JP2003/014540             | November 14, 2003         | 983.46144X00        |

1. International Publication No. WO 2005/046482 \*\*\*A-1
2. International Search Report